

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-20 (Canceled)

21. (Currently Amended) A multifunctional tridimensional combined ecological architecture, having one or more buildings, said one building or said more buildings having an ecological system comprising:

- ~~[[an]]~~at least one of a first ecological architecture structure for organisms~~[[,]]~~ and ~~[[a]]~~a second natural ecological architecture structure for plants, animals, and a water resource,

- a place for human culture activity,

- an organism production system including an organism cultivation device,

- cooperating systems,

wherein said ~~said~~ one building or said more buildings have a tridimensional ecological architecture structure, ~~and includes~~ including an aboveground part, an underground part, or both an aboveground part and an underground part, wherein a top roof, side(s), or both a top roof and side(s) of said ~~said~~ one building or said more buildings are partly or completely transparent, openable and closable, or both transparent and openable and closable;

wherein said ~~natural~~ first ecological architecture structure and said second ecological architecture structure ~~for organisms~~ are provided anywhere in or on said ~~said~~ one building or said more buildings, and include plants, animals, a water resource and human cultural sights therein;

the tridimensional ecological architecture structure of said one building or said more buildings comprises a plurality of layers of ecological architecture structures providing a plurality of layers of ecological environment for growth of organisms, said tridimensional ecological architecture structure is ~~of a structure form of an~~ opened type, closed type, openable and closable type or combined type, said organism cultivation device comprises and has a fixed type of organism cultivation device, or a movable type of organism cultivation device, or both a fixed type of organism cultivation device and a movable type of organism cultivation device, ~~said fixed type of~~

~~organism cultivation device or said movable type of organism cultivation device being vertically developed or horizontally developed;~~

said tridimensional ecological architecture structure of openable and closable type includes structures that can be opened and closed, wherein said tridimensional ecological architecture structure of openable and closable type is a roof type openable and closable structure, an inclined type openable and closable structure or a side surface openable and closable structure, can be entirely or partly opened and closed, with large areas opened and closed on roofs, sides or walls, or can be combined with movable doors and windows, the method for opening and closing of said tridimensional ecological architecture structure of openable and closable type can be type of pivot folded, type of wheel sliding, type of axle folded, type of parallel sliding on flat surfaces, inclined surfaces, or side surfaces, openable and closable type of movable bottom wheels of ecological room, type of controlled manually, type of automatically or the combination type, and said tridimensional ecological architecture structure of openable and closable type is of a type of openable and closable with single layers, a type of openable and closable with double layers or the combined type;

said movable type of organism cultivation device comprises vertically developed space rotating cultivation frames for organisms or horizontally developed movable type of organism cultivation device; said space rotating cultivation frames for organisms are suspended, laid, piled, tridimensional, or shelved; said space rotating cultivation frames for organisms are provided inside, outside, or both inside and outside said buildings; said space rotating cultivation frames for organisms are provided singly or in combination; and said space rotating cultivation frames comprise a temperature regulating mechanism, a water supply mechanism, or both a temperature regulating mechanism and a water supply mechanism;

~~said more buildings comprising~~ comprise at least one of ecological architecture structures of Taiji graphics type, Eight Gua graphics type, hood type, frame hood type, tree frame type, tridimensional land type, tridimensional awning type, combined frames type, turret frame type,

combined passage type, hacienda type, ecological village type, ecological town type, tridimensional ecological river type, tridimensional ecological bridge type, tridimensional ecological road type, tridimensional ecological wall type and organism cultivation mechanical frame type; ~~said organism production system comprises cultivation devices, processing devices, storing and transferring devices and marketing devices;~~

said cooperating systems comprise at least a part of a water recycling system, an electrical system, a ventilation system, a temperature and humidity regulating system, a light transmitting system, a methane systems, an illumination system and a control system; said ~~said one building or~~ said more buildings of the multifunctional tridimensional combined ecological architecture and the systems are combined in a manner of part or complete combination.

22. (Previously Presented) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein

said water recycling system comprises a precipitation gathering and purifying device, a sewage water recuperating and classification and purifying device, an external water resource input device, a device for filtering and purifying water from air, a sanitation device, a water reservoir device and a water supply device;

said electrical system comprises a power generation and storing device, a power transmission and power supply device, a voltage transformation and power distribution device;

said ventilation system comprises an air input/output device, an oxygen supply device, an air purifying and recycling device and a sanitation device;

said temperature and humidity regulating system comprises a temperature regulating device and a humidity regulating device;

said light transmitting system comprises a light refractive device and a light transmitting device;

said methane system comprises a methane tank and a methane storing and utilization device; said control system comprises automatic, manual, or automatic and manual control mechanisms for the devices, systems, or both the devices and the systems; and

wherein said place for human culture activity comprises a place for resting and a place for sports and cultural activities.

23. (Currently Amended) The multifunctional tridimensional combined ecological architecture according to claim [[22]]21, further comprising tridimensional ecological walls provided in part or in periphery of said one building or said more buildings; wherein the walls are fixed or moveable or both and have plant and organism cultivation structures thereon, and the walls are provided in combination or separately.

24. (Currently Amended) The multifunctional tridimensional combined ecological architecture according to claim [[23]]22, wherein the device for filtering and purifying water from air comprises a blower, to introduce air into said devices for filtering and purifying water from air through the air inlet thereof, wherein moisture in the air is vaporized by heaters provided inside said devices for filtering and purifying water from air, and then the moisture is held by the water cooling and filtering and capturing devices, then the water is discharged out of the devices for filtering and purifying water via an outlet of a channel for discharging water, said devices for filtering and purifying water from air are in the form of passage type, upright-type, or caged-type, or suspended-type, or air-conditioning-type, and said devices for filtering and purifying water from air are provided in combination or separately.

25. (Previously Presented) The multifunctional tridimensional combined ecological architecture according to claim 22, wherein said control system is configured to have an intelligent control mechanism that is able to implement complete control, part control, or individual control of devices; and wherein said architecture is also provided with anti theft alarming systems, image

transmission mechanisms, and dialogue control system for security in buildings, and closed-circuit monitoring systems.

26. (Currently Amended) The multifunctional tridimensional combined ecological architecture according to claim [[22]]21, wherein said more buildings are connected with one another via roads, bridges, or both roads and bridges; the roads or bridges optionally including tridimensional roads and tridimensional bridges provided in stories.

27. (Currently Amended) The multifunctional tridimensional combined ecological architecture according to claim [[22]]21, wherein said ~~cultivation devices are movable or stationary, wherein said cultivation devices have~~ movable type of organism cultivation device has further at least one of a movable [[an]] organism cultivation structure, a movable cultivation frame for organism, [[an]] a movable organism cultivation plate, or [[an]] a movable organism cultivation box, which are suspended, laid, piled, tridimensional, or shelved, and wherein a temperature regulating mechanism, a water supply mechanism, or both a temperature regulating mechanism and a water supply mechanism are provided inside said movable cultivation box.

28. (Previously Presented) The multifunctional tridimensional combined ecological architecture according to claim 22, wherein the power generation and storing device comprises at least one of a solar power generation and storing device, a wind power generation and storing device, a water power generation and storing device, and a mechanical power generation and storing device.

29. (Previously Presented) The multifunctional tridimensional combined ecological architecture according to claim 28, wherein said solar power generation and storing devices comprise solar cell receiving plates, electric storage devices, transformer devices, current meters, power distributing devices, accessories of electric supplier networks; said solar power generation and storing devices are integrated ones, in which electric suppliers devices are integrated into a network in the

buildings or on the grounds for use in the entire architecture, or separated ones, in which they are mounted in part areas or separate apartments of the buildings for separate use; said solar cell receiving plates are of at least one of laid-type, upright-type, fixed-type, folded-type, or rotatable type, form of balconies, form of door or windows, form of curtains or form of walls.

30. (Currently Amended) The multifunctional tridimensional combined ecological architecture according to claim 26, wherein part of said more buildings ~~themselves~~ is movable.

31. (Previously Presented) The multifunctional tridimensional combined ecological architecture according to claim 22, wherein said light refractive devices are fixed, moveable, with lights, and are controllable by lights or manually.

32. (Currently Amended) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein said more buildings are combinable in at least one of various types of forms, comprising Taiji graphics type, Eight Gua graphics type, hood type, frame hood type, tree frame type, tridimensional land type, ~~tridimensional warm house type~~, combined frame, turret frame type, combined passage type, hacienda type, ecological village type, ecological town type, tridimensional ecological river type, tridimensional ecological bridge type, tridimensional ecological road type, tridimensional ecological wall type, said buildings are provided in combination or separately.

33. (Previously presented) The multifunctional tridimensional combined ecological architecture according to claim 32, wherein said more buildings, which are combined in tridimensional land type of form, are provided in stories, and comprise aboveground, underground, or both aboveground and underground, organism cultivation spaces, a natural ecological environment space and a human cultural place, and wherein said more buildings are provided collectively or

separately with a water storing system, a water supplying system, a methane utilizing device, a water purifying system, a power generation and supplying device and a lifting device, each of which systems or devices is provided separately or in combination with other systems or devices.

34. (Previously Presented) The multifunctional tridimensional combined ecological architecture according to claim 32, wherein said buildings, which are combined in combined passage type of form, are provided aboveground, underground, or both aboveground and underground, are combined in single storey or stories, and are provided therein with passages, which passages are provided inside and outside completely or partly with at least one of organism cultivation, transportation and human cultural and natural ecological environment structures, a water draining device, a water storing device and a power supplying device, each of which devices is provided separately or in combination with other devices.

35. (Previously presented) The multifunctional tridimensional combined ecological architecture according to claim 32, wherein said more buildings, which are combined in tridimensional ecological river type of form, comprise collectively or separately exposed river type, hidden river type, awning type, inside, outside, or both inside and outside organism cultivation devices, a water purifying device, a water storing device, a water recycling device, a tridimensional ecological device, each of which devices is provided separately or in combination with other devices.

36. (Currently Amended) The multifunctional tridimensional combined ecological architecture according to claim 32, wherein said more buildings, which are combined in tridimensional ecological bridge type of form, have a bridge body which is provided in single story or stories and which is provided with inside, outside, or both inside and outside, ~~organism cultivation, natural ecological environment structures~~ first ecological architecture structure for organisms or second ecological architecture structure for plants, animals, and a water resource or both the first ecological architecture structure for organisms and the second ecological architecture structure

organism cultivation and natural ecological structures for plants, animals, and a water resource; and the buildings which are combined in tridimensional ecological bridge type of form are provided in combination or separately.

37. (Currently Amended) The multifunctional tridimensional combined ecological architecture according to claim 32, wherein said more buildings, which are combined in tridimensional ecological road type of form, have a road structure of single story or stories aboveground, underground, or both aboveground or underground, which road structure is provided thereon in stories or sections with inside, outside, or both inside and outside, organism cultivation environment, human cultural and natural ecological environment structures, or both organism cultivation environment and human cultural and natural ecological environmental structures, and are provided with a water draining device, a water storing device and a power supplying device, ~~each~~ the devices of said buildings which are combined in tridimensional ecological road type of form are provided separately or in combination with other devices.

38. (Canceled)

39. (Previously Presented) The multifunctional tridimensional combined ecological architecture according to claim 32, wherein said buildings, which are combined in tree frame type of form, have various forms, comprise building structures, an aerial warm house, inside, outside, or both inside and outside organism cultivation structures and a water storing and supplying device, and are provided separately or in combination.

40. (Previously Presented) The multifunctional tridimensional combined ecological architecture according to claim 29, wherein said solar cell receiving plates and said light transmitting devices are assembled in combination or separately into a fixed or rotatable equipment with multiple

functions, which equipment with multiple functions is upright type or desktop type and wherein the equipment can be used in combination with the building or separately.

41. (Currently amended) The multifunctional tridimensional combined ecological architecture according to claim 32, wherein said more buildings have stories and said more buildings are combined completely or partly into a tridimensional ecological village, a tridimensional ecological town, or both a tridimensional ecological village and a tridimensional[[:]] ecological town.

42. (Currently Amended) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein said first ecological architecture structure for organisms and said second ecological architecture structure for plants, animals and a water resource comprise at least one of an ecological structure of tridimensional land type, an ecological structure of ecological river type, an ecological structure of ecological wall type, ecological structures of Taiji graphics type, Eight Gua graphics type, an ecological structure of passage type, an ecological structure of tree frame type, ~~an ecological tridimensional warm house structure~~, an ecological structure of ecological bridge type and an ecological structure of ecological road type; said buildings are provided in combination, or respective buildings are arranged separately.

43. (Previously Presented) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein said place for human culture activity comprises at least one of a residential house, and places for offices, commerce, sports, culture, factories, schools, researches, storages, sanatorium, stations, and recreational places.

44. (Currently Amended) The multifunctional tridimensional combined ecological architecture according to claim 32, wherein said organism production system comprises an underground ecological structure having a roof, a part or the entirety of which is transparent, openable and closable, or both transparent and openable and closable; the underground ecological structure

comprising a single storey or multiple-storey stories of ecological structures or both a single story ecological structure and multiple-storey of ecological structures and being provided therein with solar energy device, light transmission device, or both solar energy device and light transmission device.

45. (Previously Presented) The multifunctional tridimensional combined ecological architecture according to claim 44, wherein said underground ecological structure comprises a structure for cultivation of plants, a structure for cultivation of animals, or both a structure for cultivation of plants and a structure for cultivation of animals.

46. (Currently Amended) The multifunctional tridimensional combined ecological architecture according to claim 32, further comprising a tridimensional land ecological device comprising a story or stories of tridimensional land and a layer of soil on original ground; wherein plants, animals, or both are cultivated on the story or stories of tridimensional lands; said tridimensional land ecological device is provided further therein with an agriculture machine; and said tridimensional land ecological device is provided in combination or separately.

47. (Canceled)

48. (Currently Amended) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein the tridimensional ecological architecture structure of the openable and closable type or combined type is provided with an opening and closing structure comprising an ecological space for organisms and an opening and closing device.

49. (New) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein said first ecological architecture structure for organisms, said second ecological architecture structure for plants, animals, and a water resource, and said organism production system are completely, partly or singly provided.

50. (New) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein said movable type of organism cultivation device comprises a movable organism cultivation box, suspending chain rods, a transmission belt or chain and a movable suspending rod; and said movable organism cultivation box is suspended on said movable suspending rod is suspended by means of said movable suspending rod, said suspending chain rods and said transmission belt or chain.

51. (New) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein said movable type of organism cultivation device has an organism cultivation box with wheels and a transmission device; and said organism cultivation box with wheels is placed on said transmission device and can be transmitted thereby.

52. (New) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein said movable type of organism cultivation device has a movable organism cultivation box and tracks on which said movable organism cultivation box is able to move.

53. (New) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein said movable type of organism cultivation device comprises a movable warm house; and said warm house is provided with bottom wheels mounted below the warm house to make the warm house be movable.

54. (New) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein said movable type of organism cultivation device comprises a tridimensional frame, a rotation transmission device, an ecological box for cultivation of plants and organisms and a suspending rod; and said ecological box is suspended by means of said suspended rod and is rotatable with the rotation transmission device upward and downward the tridimensional frame.

55. (New) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein said movable type of organism cultivation device comprises a plurality of organism plate boxes and a transmission belt device; and said transmission belt device is able to drive said plurality of organism plate boxes to move.

56. (New) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein said one building or at least one of said buildings is a tree frame type ecological building; and said tree frame type ecological building includes a main building body in the central position and a plurality of aerial long arm ecological buildings located outside the main building body and connected to said main building body.

57. (New) The multifunctional tridimensional combined ecological architecture according to claim 21, further comprising a power generation device which is mounted to a door or window of said one building or said more buildings and generates power by rotation of said door or window.

58. (New) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein said one building or at least one of said more buildings is a tridimensional ecological bridge; said tridimensional ecological bridge includes an upper layer bridge surface and a lower layer bridge surface; said upper layer bridge surface is provided with a light transmitting skylight window formed by transparent structures or transparent glasses to transmit light to the lower layer bridge surface; and said buildings being the tridimensional ecological bridges are provided in combination or separately.

59. (New) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein at least one of said buildings includes the first ecological architecture structure for organisms, the second ecological architecture structure for plants, animals, and a water resource, a place for human culture activity, an organism production system and a cooperating system.

60. (New) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein said buildings including the Taiji graphics type ecological structure and the Eight Gua type ecological structure are provided in combination or singly.

61. (New) The multifunctional tridimensional combined ecological architecture according to claim 21, wherein said organism production system includes cultivation devices, processing devices, storing and transferring devices and marketing devices.